CLAIMS

1. A booster transformer for driving a magnetron, comprising:

a bobbin having a primary winding and a secondary winding wound thereon; and

a core inserted into a center of said bobbin,

wherein a winding area of said secondary winding is divided into two areas while interposing a partition wall, and an outer diameter $\underline{d}$ of a wire of said secondary winding and a width $\underline{t_1}$ of each of the divided wiring areas are so set as to satisfy the relation $t_1 < 11d$.

2. A booster transformer for driving a magnetron as defined in claim 1, wherein said secondary winding is wound on said bobbin while a wire material thereof is arranged under an irregular state.

3. A booster transformer for driving a magnetron as defined in claim 1, wherein a thickness t_2 of said partition wall and the width t_1 of each of said divided wiring areas are so set as to satisfy the relation $0.8t_2 < t_1$.

4. A booster transformer for driving a magnetron as defined in claim 1, wherein the wire material of said secondary

winding is a solid wire having an insulating coating formed around a core wire or a litz wire formed by merely twisting a plurality of said solid wires.

5. A booster transformer for driving a magnetron as defined in claim 1, wherein high-voltage components constituting a voltage doubler rectifier circuit for rectifying a high frequency high voltage from said secondary winding of said booster transformer are held integrally with said bobbin.